Research and Evidence Webinar Series:

Civic Engagement and Climate Change Mitigation

Exploring Opportunities at the Intersection of Research, Community Participation, and National Service

March 23, 2022



Welcome



Civic Engagement and Climate Change Mitigation: Exploring Opportunities at the Intersection of Research, Community Participation, and National Service

Melissa Gouge, Ph.D.

Research Analyst,
AmeriCorps Office of Research and Evaluation/
AmeriCorps NCCC

Introduction



Civic Engagement and Climate Change Mitigation: Exploring Opportunities at the Intersection of Research, Community Participation, and National Service

Dana Fisher, Ph.D.

Professor of Sociology and the Director of the Program for Society and the Environment,
University of Maryland

Environmental Stewardship: Conservation, Climate, and Social Justice

Dana R. Fisher

Professor of Sociology and
Director, Program for Society and the Environment
University of Maryland
@Fisher_DanaR

http://www.drfisher.umd.edu







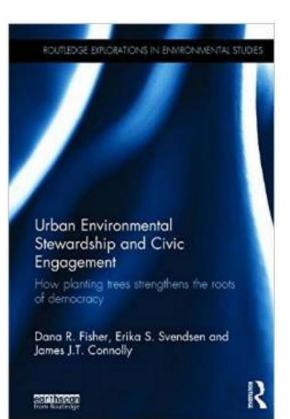
What Is Environmental Stewardship?

• Urban environmental stewards conserve, manage, monitor, advocate for or educate the public about the local environment (Fisher et al. 2007).

What are the effects of environmental stewardship on the individuals participating, the communities involved, and the environment itself?

- >Who participates in environmental stewardship across the US (and who doesn't and are there systemic barriers to participation)?
- > Are these types of activities related to other kinds of environmental and civic participation?
- ➤ **How** does the nature of the work (site type, skill level, and organizational structure of the activity) relate to the nature of civic participation during and after?
- > How does participating in environmental stewardship strengthen the roots of democracy?





The #FridayForFuture campaign has prompted unprecedented numbers of youth to join the climate movement around the world. This growing movement is important beyond its potential impact on climate policy because it is creating a cohort of citizens who will be active participants in democracy.

Dana R. Fisher

uring the week of 15 March 2019. more than 1.6 million young people participated in the youth climate strike on all seven continents. This international day-of-action built on the efforts of young activists, like Greta Thunberg and Alexandria Villasenor, to mobilize young people to walk out of school to fight for the climate and for their future1. A second climate strike has been called for May, and is expected to rally even more participants. The young participants in #FridaysForFuture (https:// www.fridaysforfuture.org) and its reluctant spokesperson have received support from scientists around the world12 and attracted substantial media attention. Although most of these students are too young to have a say in who leads their countries or even to participate fully in their respective political systems3, they have chosen to skip school with a punchy soundbite that "going



forms of activism, protest and even striking from school) is a very important component

effects of activism16. In other words, when young people participate in activism, they

comment

The broader importance of #FridaysForFuture

Selected Resources:

- Fisher, Dana R. and Sohana Nasrin. 2020. "Climate Activism and its Effects." WIREs Climate Change. 2020;e683. https://doi.org/10.1002/wcc.683
- Fisher, Dana R. 2019. "Commentary: The broader importance of #FridaysForFuture." *Nature Climate Change*. https://www.nature.com/articles/s41558-019-0484-y
- William Yagatich, Anya Galli Robertson, and Dana R. Fisher. 2018. "How Local Environmental Stewardship Diversifies Democracy."
 Local Environment. http://dx.doi.org/10.1080/13549839.2018.1428187
- Fisher, Dana R. 2018. "Climate of Resistance: How the Climate Movement Connects to the Resistance." Chapter 5 in The Resistance: The Dawn of the Anti-Trump Opposition Movement, David Meyer and Sidney Tarrow, Editors. Oxford University Press: 109-125
- Fisher, Dana R., Dawn M. Dow, and Rashawn Ray. 2017. "Intersectionality Takes it to the Streets: Mobilizing Across Diverse Interests for the Women's March." Science Advances. http://advances.sciencemag.org/content/3/9/eaao1390.full
- Fisher, Dana R. and Anya M. Galli. 2016. "Connecting Environmentalism to Democracy through Environmental Stewardship." Revue des Sciences Sociales. Number 55: 32-43.
- Close, Sarah, Dana R. Fisher, William Yagatich, Anya Galli. 2016. "Evaluating the Environmental Effectiveness of Grassroots Environmental Stewardship Organizations in Maryland." Watershed Science Bulletin. May: 1-8.
- Fisher, Dana R., Erika S. Svendsen, and James J.T. Connolly. 2015. *Urban Environmental Stewardship and Civic Engagement: How Planting Trees Strengthens the Roots of Democracy*. Routledge Press. http://www.routledge.com/books/details/9780415723633/
- Connolly, J. J., Svendsen, E. S., Fisher, D. R., & Campbell, L. K. (2012). Organizing urban ecosystem services through environmental stewardship governance in New York City. *Landscape and Urban Planning*, 1–9.
- Fisher, D. R., Campbell, L. K., & Svendsen, E. S. (2012). The organisational structure of urban environmental stewardship. *Environmental Politics*, 37-41.

Speaker

Civic Engagement and Climate Change Mitigation: Exploring Opportunities at the Intersection of Research, Community Participation, and National Service

Denae King, Ph.D.

Research Program Manager,
Barbara Jordan-Mickey Leland
School of Public Affairs,
Texas Southern University

Suzanne Pritzker, Ph.D.

Associate Dean for Academic Affairs and Associate Professor,
University of Houston

Research and Evidence Webinar Series:

Experiencing civic engagement in an era of natural disasters

Suzanne Pritzker, PhD | University of Houston

Denae King, PhD | Texas Southern University

March 2022



Who we are: Two universities, partnering with four communities













The context or our research: Houston, two years after Hurricane Harvey





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A once-in-1,000-years flood event 33 trillion gallons of rain \$125 billion in damage

154,000 homes flooded

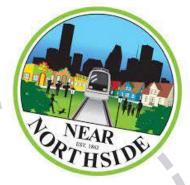
100+ deaths

75 Houston schools closed due to damage 175,000 voter registration

Impacted communities still working to recover

card deliveries affected











How did this impact the way community members experience civic engagement?

Our approach: Community-based, participatory action research



By the community

Co-researchers worked alongside university team to develop a plan

- 4 communities
- **8** co-researchers
- **5** languages

With the community

Co-researchers recruited participants, and facilitated interviews and focus groups

- 190 participants
- **26** focus groups
- 14 interviews with key informants

For the community

Co-researchers analyzed findings and developed recommendations

12 thematic categories highlighting challenges and opportunities





In their words: A lived experience of civic engagement in the context of Hurricane Harvey









Disaster Prevention and Preparation

"We need to be prepared, because this isn't just a one- or twotime thing"

Disaster Response and Short-Term Recovery

"Help the people who are affected by the disaster"

Long-Term Disaster Recovery

"Harvey has come and gone, and we still have people who are hurting in the aftermath of it"



Disaster Prevention and Preparation



"We need to be prepared, because this isn't just a one- or two-time thing"

"Houston is not prepared for a hurricane or storm"

"I mean we need a detailed emergency plan"

- "Infrastructure...not built to...protect the public"
- "Stop building...we are in a flood zone"
- "Need you to follow through and do what you gonna say"
- "a more fast direct way to be prepared as a community"
- "provide...information for us like how to prevent this"
- "to have more places where we can go"
- "someone to come for us...people who are disabled and elderly"
- "we needed access to our medical supplies"



Disaster Response and Short-term Recovery



"Help the people who are affected by the disaster"

"But it was really, really heartbreaking"

"Everybody was like helping everybody"

"Coordination was so critical after Harvey"

- "houses that flooded...were a total loss, it was something so sad"
- "we couldn't get food"
- "I had high anxiety"
- "participation is spontaneous"
- "people...came by and said...is there anything we can do"
- "they want to come and help"
- "go and help with...neighbors"
- "we gotta help our elderly"
- "has to be some kind of coordination when these, these incidents happen"
- "community support as regards Harvey...it's not that much"



Disaster Response and Short-term Recovery



"Help the people who are affected by the disaster"

"Pass that information down"

- "we would pass the word out"
- "we get on the internet"
- "we need help and don't get information"
- "find someone who spoke both languages so they could help"
- "instruct me as to what I'm doing wrong as to the reason I'm not qualifying"

"Depends on the leader you're talking about"

- "the response...is pretty good"
- "I can't say if I trust them or not"
- "trust your neighbor before you trust your governor"
- "you got to get where they assign you to go or you can be fired, fined..."



Long-term Disaster Recovery



"Harvey has come and gone, and we still have people who are hurting in the aftermath of it"

> "Don't know where the money went"

- "the money, at the end of the day, still wasn't distributed fairly"
- "you know this is nothing but lies...what is they doing with the money"

"Anchored us to the community"

- "I think I've been more involved since Harvey"
- "Harvey would be the...catalyst...for this community"

"The urgency is gone, or that's the sense"

- "back to normal"
- "community was exactly the same as it was before"



Long-term Disaster Recovery



"Harvey has come and gone, and we still have people who are hurting in the aftermath of it"

"Lord, don't let this water come in"

"Why would you live in an area your house has been flooded eight times"

- "we are still suffering from that day, even if a lot of years have gone by"
- "Lord, don't let this water come in. Jesus, not this time"
- "if we have a flooding problem we're stuck"
- "the neighborhood had been kinda abandoned"

Memorial Day Flood (2015) 6,000 structures flooded, 7 deaths



Tax Day Flood (2016) 9,820 structures flooded, 7 deaths



Hurricane Harvey (2017) 154,000 homes flooded, 100+ deaths



Tropical Storm Imelda (2019) 3,990 homes flooded, 5 deaths



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SPORTS



GRID LOCKED



feeling frustrated, fearful as homes grow chillier

Frigid conditions add to first responders' hardships



"Why would you live in an area your house has been flooded eight times?"

"I don't know what else I can take on."

"We are still suffering from that day, even if a lot of years have gone by



"I think that people, a lot of people including the media, they just move on."

"I don't wanna have to leave my house, but I don't think I can do it no more."

"When it comes down, I'm standing in the dirt praying. It's all you can do. Lord, don't let this water come in. Jesus, not this time."

Recommendations



Several needs emerged from this community-engaged research:



Meaningful, sustainable disaster preparation, with focus on infrastructure



Increased coordination across organizations involved in preparation and recovery



Intentional planning to meet community members' needs



Awareness of distrust, especially related to resource allocation/distribution



Clear avenues for accessible information about disaster preparedness/recovery resources



Consideration of community impacts from repeated natural disasters

Speaker



Civic Engagement and Climate Change Mitigation: Exploring Opportunities at the Intersection of Research, Community Participation, and National Service

Carlos Vazquez Rivera, Ph.D.

Social Community Psychologist
University of Puerto Rico, Humacao





Alicia Montañez Cruz Líder comunitaria

Jennifer Abreu Santana Líder comunitaria Nilda Cuadra de Jesús Estudiante

Jacquelinee Rojas Livia Voluntaria Carlos Vázquez Rivera Investigador Principal



1 IAP

Integrando la investigación, acción y participación

Preguntas de Investigación

Pregunta #1

¿Cuáles son las características comunitarias que inhiben o promueven el compromiso y participación comunitaria?

Pregunta #2

¿Cómo es la vinculación comunitaria después de una experiencia de desastre socionaturales?

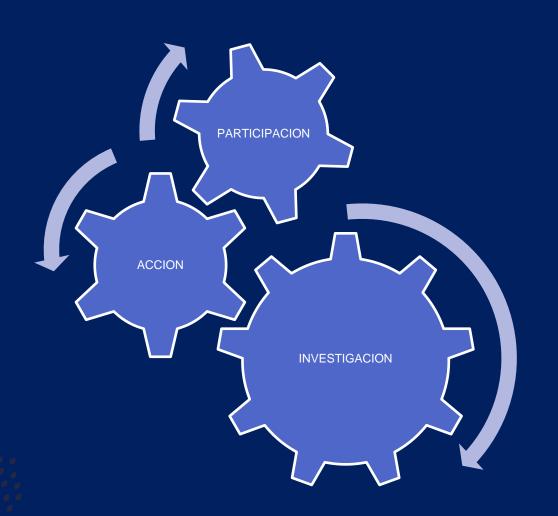
NUESTRA DEFINICIÓN DE IAP

"Un método dirigido a horizontalizar la investigación, refortaleciendo a las personas involucradas, para generar un cambio sobre lo que se investiga"

(EIC, 2019)



PROCESO DE INTEGRACION



- Constitución del EIC
- Implementación (encuestas, entrevistas, grupos focales)
- Análisis (codificación, categorización)
- Presentar en diversos foros (comunidad, universidad)

2

RESULTADOS

Lo que conocemos





COMUNIDAD

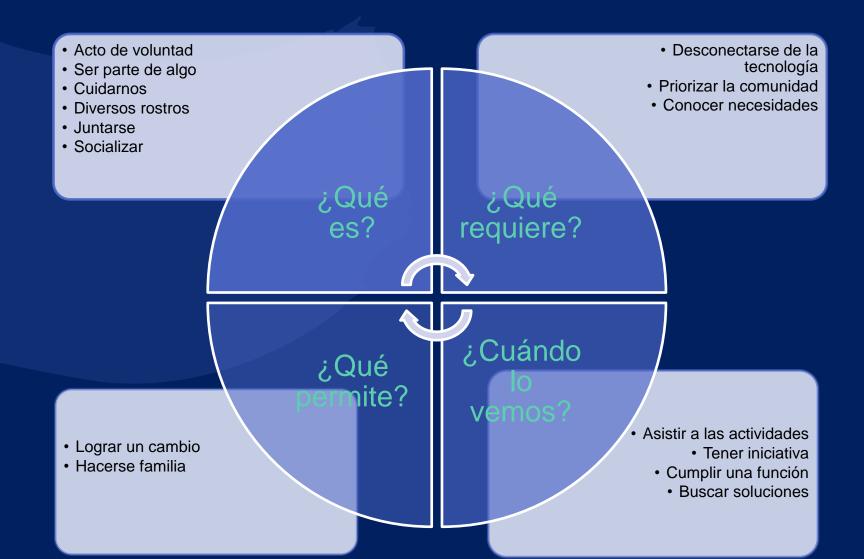


Además

- Es donde la gente;
- Se conoce
- Se comunica
- Se interesa por los vecinos
- Se hacen familia
- Se ayudan unos a otros
- Es una forma de ver el mundo que se encuentra bajo amenaza.

- Feria comunitaria
- Repartición de alimentos
- Vacunación
- Pruebas COVID-19
- Cartografía social

PARTICIPACION



PROMUEVE

Espacios para socializar: actividades deportivas, lúdicas, festejo, familiares, en los sectores.

La confianza entre las personas.

Conocimiento de las necesidades comunitarias.

Visitas domiciliarias.

Motivar, animar, invitar.

Refortalecer el Sentido de pertenencia.

Falta de transporte público.

Falta de comunicación social.

Barreras intergeneracionales.

Exceso de usos de teléfono y tecnologías.

Competencias entre vecinos (quién tiene más).

Individualismo.

PLAN DE ACCION COMUNITARIO



- Documento vivo
- Se reorganiza según las experiencias y saberes
- Considera el presente, el pasado y el futuro
- Articula comunidad, participación e investigación
- Desastres socio-naturales
- Nivel del desastre depende del nivel de preparación

PLAN DE ACCION COMUNITARIO: PRIMEROS PASOS

Reclutar más líderes comunitarias Aplicar lo que sabemos sobre lo que limita y promueve la participación Concientizar a las personas de que los desastres socio-naturales son parte de nuestras vidas

Brigadas de acción

- Comités de Emergencias por sectores
- Reuniones mensuales
- Reclutar voluntarios por cada sector

Actividades de preparación

- Difundir y revisar el Plan de Acción
- Crear diversos canales de comunicación (tradicionales y tecnológicos)

•Recojido de la basura y reciclaje Directorio de organizaciones

- colaboradoras Identificar necesidades y recursos
- de cada familia • Identificar puntos de encuentros
- Identificar personas con mayor vulnerabilidad
- Integrar a las autoridades locales
- Realizar un censo comunitario

PLAN DE ACCIÓN COMUNITARIO: ¿QUE NECESITAMOS?

- Preparación para afrontar desastres
- Filtración de agua de pozo
- Primeros auxilios de salud física y mental
- Cultivar
- Usar técnicas de los abuelos

- Bombas de agua
- Lavadoras
- Energia renovable
- Infraestructura de internet satelital





- Materiales de necesidades básicas
- Actualizarlo periódicamente
- Desarrollar un sistema de administración rotativo

PLAN DE ACCIÓN COMUNITARIO: ¿QUÉ RECURSOS TENEMOS?



SECCIONES: PLAN DE ACCION COMUNITARIO (PAC)



SIGUIENTES PASOS PARA EL PAC

Presentación del PAC a la comunidad Devolución del PAC a la comunidad





Revisión del PAC por el EIC

The Sun is the star

Implementar el PAC







"Montones de voluntades, transforman realidades."

— Comunidad de Montones, 2019 —



Speaker



Civic Engagement and Climate Change Mitigation: Exploring Opportunities at the Intersection of Research, Community Participation, and National Service

Jennifer Willett, MSW

Assistant Professor, University of Nevada, Reno

Making the Invisible Visible-Addressing Climate Injustice in Northern, NV

March 2022



Nevada Research for Change Team



TEAM:

- Jennifer Willett: University of Nevada, Reno (PI/Director)
- Jennifer Sims: Upward Bound (Community Partner)
- Estefania Caldera (Leader)
- Victoria Gomez (Youth Scientist)
- Bronsen Costello (Youth Scientist)
- Nadia Lopez (Youth Scientist)
- Adan Albarran (Youth Scientist)
- Kevin Munoz (Youth Scientist)
- Najeh Abduljalil (Leader)
- Alejandro Arriaga (Youth Scientist)
- Dayana Valdez (Youth Scientist)
- Rose Barajas (Youth Scientist)
- Karla Avina (Youth Scientist)



Slow Violence



Our focus.

- Hidden environmental injustices and disasters
- Happen to hidden populations (working class, people of color, and other hidden people)
- Occur over time
- Small environmental problems create large problems for the community
- Not publicized
- Solution: Make the invisible visible to work on them

Northern Nevada Context



Environment, population, and demographics.

- All of our research is based in Northern Nevada, including in Reno, Sparks, and Sun Valley.
- Environmental concerns for slow violence
 - Climate is fragile and susceptible to climate change impacts like wildfires and floods
 - Various mountains and open land used for dumping
 - Not environmental regulations
- Social and economic concerns for slow violence
 - Minority population in Reno is high (26.4%) and highest in Sun Valley (45%)
 - Not enough services to help people in need
 - Housing affordability among the lowest in the nation

Research Objectives and Questions



Our team creates awareness to resolve slow violence. We shine light on environmental issues that low income communities face, and discuss possible solutions. We believe social justice should be demonstrated in our communities.

- Research Questions:
 - What the experiences of slow violence in Northern Nevada?
 - From the local viewpoint, how best can slow violence be resolved?

In our presentation today, we are going to focus on climate injustice.

Research Processes



Photovoice

- Youth scientists take pictures of climate and environmental injustices in their neighborhoods
- Engage in the SHOWeD interview
 - What do you SEE here?
 - What is really HAPENNING?
 - How does this relate to OUR lives?
 - WHY are things this way?
 - What can we DO about it?

Secondary sources

- Surveyed community members at events about their experiences with environmental injustice
- Looked up additional facts and talked to people



Finding 1: How climate change impacts hidden communities in Northern Nevada

Climate Disaster: Flooding





Swan Lake flooded an elementary school and many houses in the area.

Climate Disaster: Wildfires



Wildfires are dangerous and the smoke negatively impacts health.







Finding 2: How climate change intersects with other issues in Northern Nevada

Climate Change and Infrastructure Needs



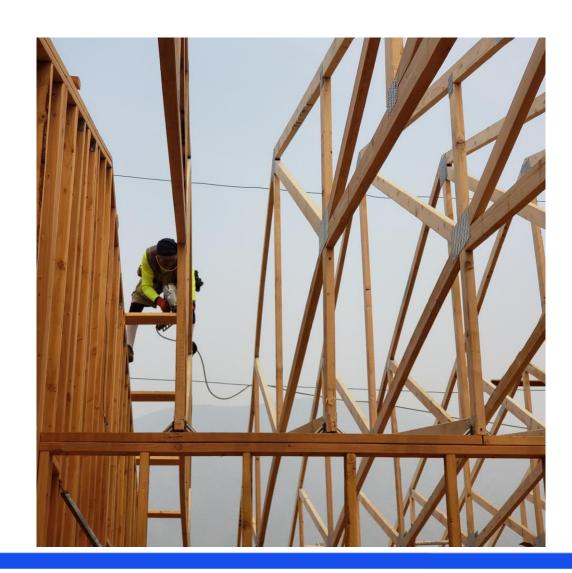




Lack of infrastructure, like drainage systems and sidewalks, creates dangerous situations for pedestrians when ditches flood from climate change.

Climate Change and Working Outside





Concern for working class communities who work outside during dangerous air days

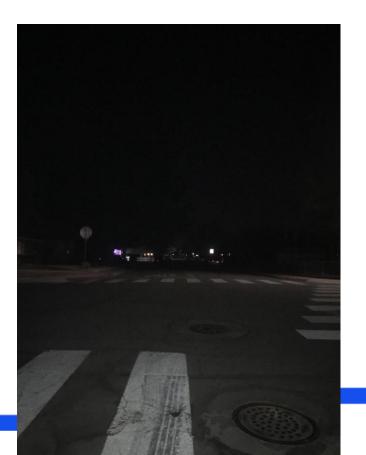
Other Slow Violence Problems We Work On



Dumping large items is common, and the garbage accumulates because services are slow to respond



Lack of street lights leads to danger for pedestrians, including kids walking to school



Community Survey Results



- Confirmed our photovoice findings
- A majority of respondents were from hidden communities
- 70% were heavily affected by wildfire smoke
 - Impacted health, work, and ability to go outside
- Significant experiences with dumping
 - Sits for months and nothing is done about it
 - Respondents committed to actions to not dump

Our Impact on Theory of Slow Violence



How we look at climate change

- Most problems are not hidden and unseen by other populations but normalized to the point of the invisibility and lack of awareness.
- Climate change happens in a multitude of ways other than
 just air pollution. We have found that climate change can be
 amplified by lack of infrastructure in some communities, lack
 of affordable housing support, and weak local regulations.

Our Actions

- Built relationships with supporters and groups we wanted to support
- Presented to the community, teachers, and librarians
- Spoke at public events
- Met with Governor's staff and spoke at Governor listening tours
- Met with local government officials including the General Improvement District, School Board, and Sheriff's Office
- Raised money and donations for homeless youth
- Organized and distributed survival kits to local homeless populations











Next Steps for AmeriCorps Partnership



NCCC team was canceled during the first months of COVID

- Re-establish team to support NCCC grant and project
- Bring NCCC team to the area to work on issues
- Organize community clean-up day
- Build infrastructure like sidewalks

The local government in Sun Valley suggested this sidewalk, which goes to a school, as a pilot for a NCCC team.



Conclusion and Thank You



- Slow violence and climate injustice are affecting Reno communities.
- AmeriCorps can make a difference in these impacts through supporting community-identified next solutions.
- We can also make an impact by focusing on resolving climate change.
- Thank you! From the Research for Change Team!

Reflections



Civic Engagement and Climate Change Mitigation: Exploring Opportunities at the Intersection of Research, Community Participation, and National Service

Shane Dermanjian, M.S.

AmeriCorps

Office of Research and Evaluation

From Service to Research Shane Dermanjian – Research Assistant AmeriCorps Office of Research and Evaluation



From Service to Research



My progression →

October 2012

Superstorm Sandy hits New Jersey

2012 - 2016

Undergrad
coursework on
climate change

2016 - 2017

First AmeriCorps term, environmental stewardship

2017 - 2018

Second AmeriCorps term, disaster recovery 2018 - 2020

Graduate school, studying public policy

2019 - Today

Work at AmeriCorps Office of Research and Evaluation



October 2012: Superstorm Sandy made me start paying attention

- Plunged me into acutely caring about the environment around me
- Felt like I had to do something about this, it was existential... but then I didn't
- While in college, I learned about how rising sea levels and climate change pose unique dangers to my home state of NJ



Seaside Heights, NJ (Wikimedia Commons)



AmeriCorps Cape Cod

Conservation

- Shellfish propagation
- Fire fuel reduction
- Trail and herring run maintenance

Environmental education

- Elementary school presentations
- General community presentations

Program outreach/volunteer **events**

- Annual cleanup days
- National Volunteer Week
- MLK Jr. Day of Service









SBP New Jersey

Home reconstruction

- Gutting
- Framing/hanging drywall/taping
- Flooring/tile
- Insulation
- Finish carpentry
- Painting
- Installing flood vents

Volunteer management

- Ensuring workplace safety i.e. with power tools, ladders, etc.
- Teaching volunteers how to do construction tasks









The intersection of climate change and my service:

realizing climate change will make the need for everything I just did all the greater





Truro, Cape Cod, MA – May 2018 (my photo)

So... what are we going to do about it?

- How do more people get exposed to environmental issues, so they also comprehend the importance of these topics?
- How do we prepare our communities for the worst to come?

The answer: through AmeriCorps



Exposure + Service + Interest in Public Policy = me working in research at AmeriCorps

Thanks!

Contact: sdermanjian@cns.gov

Reflections



Civic Engagement and Climate Change Mitigation: Exploring Opportunities at the Intersection of Research, Community Participation, and National Service

Laura Schlachter, Ph.D.

Researcher,
University of Wisconsin, Madison

Research and Evidence Webinar Series:



Civic Engagement and Climate Change Mitigation: Exploring Opportunities at the Intersection of Research, Community Participation, and National Service

Thank You!

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 Spanish captions are available.
- Visit: https://americorps.gov/about/our-impact/webinars for past webinars
- For more information on AmeriCorps Research and Evaluation: **evaluation@cns.gov**.

Speakers

Dana Fisher, Ph.D.: drfisher@umd.edu

Denae King, Ph.D.: <u>kingdw@tsu.edu</u>

Suzanne Pritzker, Ph.D.: spritzke@central.uh.edu

Carlos Vazquez Rivera, Ph.D.: <u>Carlos.vazquez5@upr.edu</u>

Jennifer Willett, Ph.D.: jenniferwillett@unr.edu

Shane Dermanjian, M.S.: Ischachter@cns.gov

Laura Schlachter, Ph.D.: lschachter@cns.gov